

APPLICANT(S): PLESTED, Joyce S. et al.
SERIAL NO.: 10/089,583
FILED: July 11, 2002
Page 2

AMENDMENTS TO THE CLAIMS

Please add or amend the claims to read as follows, and cancel without prejudice or disclaimer to resubmission in a divisional or continuation application claims indicated as cancelled:

1-47. Cancelled.

48. (New) A method for eliciting in a host an antibody that recognizes a plurality of *Neisseria* immunotypes, comprising administering to said host an immunogenic composition, said immunogenic composition comprising an inner core of a *Neisseria* lipopolysaccharide (LPS), wherein a phosphoethanolamine moiety is linked to position 3 of a HepII moiety of said inner core of a *Neisseria* LPS.

49. (New) The method of claim 48, wherein said immunogenic composition does not comprise an outer core of said *Neisseria* LPS.

50. (New) The method of claim 48, whereby said plurality of *Neisseria* immunotypes comprises three or more *Neisseria* immunotypes.

51. (New) The method of claim 48, whereby said plurality of *Neisseria* immunotypes comprises four or more *Neisseria* immunotypes.

52. (New) The method of claim 48, whereby said plurality of *Neisseria* immunotypes comprises five or more *Neisseria* immunotypes.

53. (New) The method of claim 52, whereby five or more *Neisseria* immunotypes are selected from the group consisting of *Neisseria* immunotypes L1, L3, L7, L8, L9, L10, L11, and L12.

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Page 3

54. (New) The method of claim 48, wherein said plurality of *Neisseria* immunotypes are *Neisseria meningitidis* immunotypes.
55. (New) A method of immunizing a host against each of a plurality of *Neisseria* immunotypes, comprising administering to said host an immunogenic composition, said immunogenic composition comprising an inner core of a *Neisseria* lipopolysaccharide (LPS), wherein a phosphoethanolamine moiety is linked to position 3 of a HepII moiety of said inner core of a *Neisseria* LPS.
56. (New) The method of claim 55, wherein said immunogenic composition does not comprise an outer core of said *Neisseria* LPS.
57. (New) The method of claim 55, wherein said plurality of *Neisseria* immunotypes comprises three or more *Neisseria* immunotypes.
58. (New) The method of claim 55, wherein said plurality of *Neisseria* immunotypes comprises four or more *Neisseria* immunotypes.
59. (New) The method of claim 55, wherein said plurality of *Neisseria* immunotypes comprises five or more *Neisseria* immunotypes.
60. (New) The method of claim 59, whereby said five or more *Neisseria* immunotypes are selected from the group consisting of *Neisseria* immunotypes L1, L3, L7, L8, L9, L10, L11, and L12.
61. (New) The method of claim 55, wherein said plurality of *Neisseria* immunotypes are immunotypes of *Neisseria meningitidis*.